

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/535,267
Source: PG 110
Date Processed by STIC: 5/27/05

ENTERED





PCT

RAW SEQUENCE LISTING

DATE: 05/27/2005

PATENT APPLICATION: US/10/535,267

TIME: 10:57:01

Input Set : D:\3268.1003004 Seq List.txt

Output Set: N:\CRF4\05272005\J535267.raw

```

4 <110> APPLICANT: Tracey, Kevin J.
6 <120> TITLE OF INVENTION: USE OF HMGB POLYPEPTIDES FOR INCREASING
7   IMMUNE RESPONSES
9 <130> FILE REFERENCE: 3268.1003004
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/535,267
C--> 11 <141> CURRENT FILING DATE: 2005-05-17
11 <150> PRIOR APPLICATION NUMBER: 60/427,848
12 <151> PRIOR FILING DATE: 2002-11-20
14 <160> NUMBER OF SEQ ID NOS: 45
16 <170> SOFTWARE: FastSEQ for Windows Version 4.0
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 215
20 <212> TYPE: PRT
21 <213> ORGANISM: Homo sapiens
23 <400> SEQUENCE: 1
24 Met Gly Lys Gly Asp Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr
25 1 5 10 15
26 Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys His Pro
27 20 25 30
28 Asp Ala Ser Val Asn Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg
29 35 40 45
30 Trp Lys Thr Met Ser Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala
31 50 55 60
32 Lys Ala Asp Lys Ala Arg Tyr Glu Arg Glu Met Lys Thr Tyr Ile Pro
33 65 70 75 80
34 Pro Lys Gly Glu Thr Lys Lys Lys Phe Lys Asp Pro Asn Ala Pro Lys
35 85 90 95
36 Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr Arg Pro Lys
37 100 105 110
38 Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala Lys Lys
39 115 120 125
40 Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln Pro Tyr
41 130 135 140
42 Glu Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala
43 145 150 155 160
44 Ala Tyr Arg Ala Lys Gly Lys Pro Asp Ala Ala Lys Lys Gly Val Val
45 165 170 175
46 Lys Ala Glu Lys Ser Lys Lys Lys Lys Glu Glu Glu Glu Asp Glu Glu
47 180 185 190
48 Asp Glu Glu Asp Glu Glu Glu Glu Asp Glu Glu Asp Glu Asp Glu
49 195 200 205
50 Glu Glu Asp Asp Asp Asp Glu
51 210 215

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54 <210> SEQ ID NO: 2
55 <211> LENGTH: 215
56 <212> TYPE: PRT
57 <213> ORGANISM: Mus musculus
59 <400> SEQUENCE: 2
60 Met Gly Lys Gly Asp Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr
61 1 5 10 15
62 Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys His Pro
63 20 25 30
64 Asp Ala Ser Val Asn Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg
65 35 40 45
66 Trp Lys Thr Met Ser Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala
67 50 55 60
68 Lys Ala Asp Lys Ala Arg Tyr Glu Arg Glu Met Lys Thr Tyr Ile Pro
69 65 70 75 80
70 Pro Lys Gly Glu Thr Lys Lys Lys Phe Lys Asp Pro Asn Ala Pro Lys
71 85 90 95
72 Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr Arg Pro Lys
73 100 105 110
74 Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala Lys Lys
75 115 120 125
76 Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln Pro Tyr
77 130 135 140
78 Glu Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala
79 145 150 155 160
80 Ala Tyr Arg Ala Lys Gly Lys Pro Asp Ala Ala Lys Lys Gly Val Val
81 165 170 175
82 Lys Ala Glu Lys Ser Lys Lys Lys Lys Glu Glu Glu Asp Asp Glu Glu
83 180 185 190
84 Asp Glu Glu Asp Glu Glu Glu Glu Glu Glu Glu Asp Glu Asp Glu
85 195 200 205
86 Glu Glu Asp Asp Asp Asp Glu
87 210 215
90 <210> SEQ ID NO: 3
91 <211> LENGTH: 209
92 <212> TYPE: PRT
93 <213> ORGANISM: Homo sapiens
95 <400> SEQUENCE: 3
96 Met Gly Lys Gly Asp Pro Asn Lys Pro Arg Gly Lys Met Ser Ser Tyr
97 1 5 10 15
98 Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys His Pro
99 20 25 30
100 Asp Ser Ser Val Asn Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg
101 35 40 45
102 Trp Lys Thr Met Ser Ala Lys Glu Lys Ser Lys Phe Glu Asp Met Ala
103 50 55 60
104 Lys Ser Asp Lys Ala Arg Tyr Asp Arg Glu Met Lys Asn Tyr Val Pro
105 65 70 75 80
106 Pro Lys Gly Asp Lys Lys Gly Lys Lys Lys Asp Pro Asn Ala Pro Lys

```

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```

107          85          90          95
108 Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu His Arg Pro Lys
109          100          105          110
110 Ile Lys Ser Glu His Pro Gly Leu Ser Ile Gly Asp Thr Ala Lys Lys
111          115          120          125
112 Leu Gly Glu Met Trp Ser Glu Gln Ser Ala Lys Asp Lys Gln Pro Tyr
113          130          135          140
114 Glu Gln Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala
115 145          150          155          160
116 Ala Tyr Arg Ala Lys Gly Lys Ser Glu Ala Gly Lys Lys Gly Pro Gly
117          165          170          175
118 Arg Pro Thr Gly Ser Lys Lys Lys Asn Glu Pro Glu Asp Glu Glu Glu
119          180          185          190
120 Glu Glu Glu Glu Glu Asp Glu Asp Glu Glu Glu Asp Glu Asp Glu
121          195          200          205
122 Glu
126 <210> SEQ ID NO: 4
127 <211> LENGTH: 54
128 <212> TYPE: PRT
129 <213> ORGANISM: Homo sapiens
131 <400> SEQUENCE: 4
132 Pro Asp Ala Ser Val Asn Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu
133 1          5          10          15
134 Arg Trp Lys Thr Met Ser Ala Lys Glu Lys Gly Lys Phe Glu Asp Met
135          20          25          30
136 Ala Lys Ala Asp Lys Ala Arg Tyr Glu Arg Glu Met Lys Thr Tyr Ile
137          35          40          45
138 Pro Pro Lys Gly Glu Thr
139          50
142 <210> SEQ ID NO: 5
143 <211> LENGTH: 69
144 <212> TYPE: PRT
145 <213> ORGANISM: Homo sapiens
147 <400> SEQUENCE: 5
148 Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu
149 1          5          10          15
150 Tyr Arg Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp
151          20          25          30
152 Val Ala Lys Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp
153          35          40          45
154 Lys Gln Pro Tyr Glu Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu
155          50          55          60
156 Lys Asp Ile Ala Ala
157 65
160 <210> SEQ ID NO: 6
161 <211> LENGTH: 22
162 <212> TYPE: DNA
163 <213> ORGANISM: Homo sapiens
165 <400> SEQUENCE: 6

```

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```

166 gatgggcaaa ggagatccta ag 22
168 <210> SEQ ID NO: 7
169 <211> LENGTH: 29
170 <212> TYPE: DNA
171 <213> ORGANISM: Homo sapiens
173 <400> SEQUENCE: 7
174 gcggccgctt attcatcatc atcatcttc 29
176 <210> SEQ ID NO: 8
177 <211> LENGTH: 22
178 <212> TYPE: DNA
179 <213> ORGANISM: Homo sapiens
181 <400> SEQUENCE: 8
182 gatgggcaaa ggagatccta ag 22
184 <210> SEQ ID NO: 9
185 <211> LENGTH: 32
186 <212> TYPE: DNA
187 <213> ORGANISM: Homo sapiens
189 <400> SEQUENCE: 9
190 gcggccgctc acttgctttt ttcagccttg ac 32
192 <210> SEQ ID NO: 10
193 <211> LENGTH: 21
194 <212> TYPE: DNA
195 <213> ORGANISM: Homo sapiens
197 <400> SEQUENCE: 10
198 gagcataaga agaagcaccc a 21
200 <210> SEQ ID NO: 11
201 <211> LENGTH: 32
202 <212> TYPE: DNA
203 <213> ORGANISM: Homo sapiens
205 <400> SEQUENCE: 11
206 gcggccgctc acttgctttt ttcagccttg ac 32
208 <210> SEQ ID NO: 12
209 <211> LENGTH: 24
210 <212> TYPE: DNA
211 <213> ORGANISM: Homo sapiens
213 <400> SEQUENCE: 12
214 aagttcaagg atcccaatgc aaag 24
216 <210> SEQ ID NO: 13
217 <211> LENGTH: 32
218 <212> TYPE: DNA
219 <213> ORGANISM: Homo sapiens
221 <400> SEQUENCE: 13
222 gcggccgctc aatatgcagc tatatccttt tc 32
224 <210> SEQ ID NO: 14
225 <211> LENGTH: 22
226 <212> TYPE: DNA
227 <213> ORGANISM: Homo sapiens
229 <400> SEQUENCE: 14
230 gatgggcaaa ggagatccta ag 22

```

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TIME: 10:57:01

Input Set : D:\3268.1003004 Seq List.txt

Output Set: N:\CRF4\05272005\J535267.raw

```

232 <210> SEQ ID NO: 15
233 <211> LENGTH: 24
234 <212> TYPE: DNA
235 <213> ORGANISM: Homo sapiens
237 <400> SEQUENCE: 15
238 tcactttttt gtctcccctt tggg                24
240 <210> SEQ ID NO: 16
241 <211> LENGTH: 20
242 <212> TYPE: PRT
243 <213> ORGANISM: Homo sapiens
245 <400> SEQUENCE: 16
246 Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu
247 1                5                10                15
248 Tyr Arg Pro Lys
249                20
252 <210> SEQ ID NO: 17
253 <211> LENGTH: 74
254 <212> TYPE: PRT
255 <213> ORGANISM: Homo sapiens
257 <400> SEQUENCE: 17
258 Phe Lys Asp Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu
259 1                5                10                15
260 Phe Cys Ser Glu Tyr Arg Pro Lys Ile Lys Gly Glu His Pro Gly Leu
261                20                25                30
262 Ser Ile Gly Asp Val Ala Lys Lys Leu Gly Glu Met Trp Asn Asn Thr
263                35                40                45
264 Ala Ala Asp Asp Lys Gln Pro Tyr Glu Lys Lys Ala Ala Lys Leu Lys
265                50                55                60
266 Glu Lys Tyr Glu Lys Asp Ile Ala Ala Tyr
267 65                70
270 <210> SEQ ID NO: 18
271 <211> LENGTH: 216
272 <212> TYPE: PRT
273 <213> ORGANISM: Homo sapiens
275 <400> SEQUENCE: 18
276 Met Gly Lys Gly Asp Pro Lys Lys Pro Thr Gly Lys Met Ser Ser Tyr
277 1                5                10                15
278 Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys His Pro
279                20                25                30
280 Asp Ala Ser Val Asn Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg
281                35                40                45
282 Trp Lys Thr Met Ser Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala
283                50                55                60
284 Lys Ala Asp Lys Ala Arg Tyr Glu Arg Glu Met Lys Thr Tyr Ile Pro
285 65                70                75                80
286 Pro Lys Gly Glu Thr Lys Lys Lys Phe Lys Asp Pro Asn Ala Pro Lys
287                85                90                95
288 Arg Leu Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr Arg Pro Lys
289                100                105                110

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/535,267

DATE: 05/27/2005

TIME: 10:57:02

Input Set : D:\3268.1003004 Seq List.txt

Output Set: N:\CRF4\05272005\J535267.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date